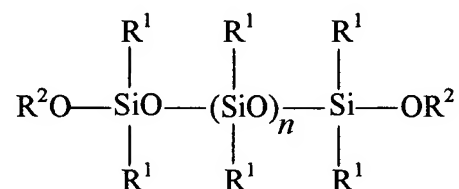


1. A treated article comprising:

- a. a substrate, and
- b. a hydrophobic film coated to the surface of the substrate, the film is obtainable from a hydrophobic surface treatment composition comprising a mixture or reaction product of:
  - i. a silicone fluid; and
  - ii. a solvent

wherein the silicone fluid is an alkyl silane or a polysiloxane following the formula:



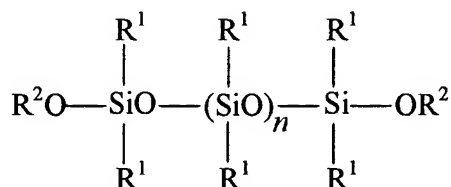
wherein each R<sup>1</sup> and R<sup>2</sup> is individually selected from the group consisting of hydrogen and substituted or unsubstituted, saturated or unsaturated, alkyl or aryl groups having 1 to 40 carbon atoms, and wherein n ranges from greater than 0 to about 150

wherein at least one of R<sup>1</sup> and R<sup>2</sup> comprises a functional group capable of a condensation reaction with hydroxyl.

2. A method of manufacturing a treated surface, comprising:

- a. applying a hydrophobic surface treatment composition to a surface of a substrate, the surface having hydroxyl groups attached thereon, the hydrophobic surface treatment composition comprising:
  - i. a silicone fluid; and
  - ii. a solvent

wherein the silicone fluid is an alkyl silane or a polysiloxane following the formula:



wherein each R<sup>1</sup> and R<sup>2</sup> is individually selected from the group consisting of hydrogen and substituted or unsubstituted, saturated or unsaturated, alkyl or aryl hydrocarbyl groups

having 1 to 40 carbon atoms, and wherein n ranges from greater than 0 to about 150

wherein at least one of R<sup>1</sup> and R<sup>2</sup> comprises a functional group capable of a condensation reaction with the hydroxyl groups of the substrate.

3. In claim 1 or 2, wherein the hydrophobic surface treatment composition is substantially free of an external curing agent.
4. In claim 1 or 2, wherein the hydrophobic film composition further comprises a cosolvent.
5. In claim 1 or 2, wherein the hydrophobic film composition further comprises a catalyst.
6. In claim 1 or 2, wherein the hydrophobic film composition further comprises a cosolvent and a catalyst.
7. In claim 1 or 2, wherein the hydrocarbyl group is selected from the group consisting of methyl, ethyl, propyl, vinyl allyl, and phenyl groups.
8. In claim 1 or 2, wherein the hydrocarbyl group is a hydrolyzable functional group.
9. In claim 8, wherein the hydrolyzable functional group comprises an alkoxy group having 1-40 carbon atoms.
10. In claim 1 or 2, wherein the hydrophobic film composition further comprises a compound selected from the group consisting of epoxides, isocyanates, and fatty acid derivatives thereof, wherein R<sup>1</sup> includes an amino group.
11. In claim 1 or 2, wherein the hydrocarbyl group is substituted with a halide selected from the group consisting of fluoride, chloride, bromide, and iodide
12. In claim 1 or 2, wherein the solvent is includes alkyl or aryl, substituted or unsubstituted alcohols, ethers, esters, or hydrocarbons having between 1 and 40 carbon atoms and water.
13. In Claim 4, wherein the cosolvent is selected from the group consisting of alkyl or aryl, substituted or unsubstituted alcohols, ethers, esters, or hydrocarbons having between 1 and 40 carbon atoms and water.
14. In Claim 6, wherein the cosolvent is selected from the group consisting of alkyl or aryl, substituted or unsubstituted alcohols, ethers, esters, or hydrocarbons having between 1 and 40 carbon atoms and water.
15. In Claim 5, wherein the catalyst is an acid or a metal salt of an organic acid.
16. In Claim 6, wherein the catalyst is an acid or a metal salt of an organic acid.
17. In claim 15, wherein the acid is selected from the group consisting of acetic acid, sulfuric acid, nitric acid, phosphoric acid, and hydrochloric acid.

18. In claim 16, wherein the acid is selected from the group consisting of acetic acid, sulfuric acid, nitric acid, phosphoric acid, and hydrochloric acid.
19. In claim 15, wherein the metal is selected from any element of Groups IIB, IIIB, IVB, IIIA, and IVA of the Periodic Table of Elements.
20. In claim 16, wherein the metal is selected from any element of Groups IIB, IIIB, IVB, IIIA, and IVA of the Periodic Table of Elements.
21. In claim 1 or 2, wherein the treated surface has a contact angle ranging from about 80° to greater than about 105°.
22. In claim 1 or 2, wherein the treated surface has a contact angle greater than about 85°.
23. In claim 1 or 2, wherein the treated surface has a contact angle greater than about 90°.
24. In claim 1 or 2, wherein the treated surface has a contact angle greater than about 95°.
25. In claim 1 or 2, wherein the substrate is selected from the group consisting of glass, metal, wood, and polymers.
26. In claim 2, wherein drying is effected by evaporation at ambient temperature.
27. In claim 2, wherein drying is effected by heating.
28. In claim 1 or 2, wherein after more than about 1,000 wiper cycles the treated surface has a contact angle greater than about 60°.
29. In claim 1 or 2, wherein after more than about 5,000 wiper cycles the treated surface has a contact angle greater than about 60°.
30. In claim 1 or 2, wherein after more than about 10,000 wiper cycles the treated surface has a contact angle greater than about 60°.
31. In claim 1 or 2, wherein after more than about 15,000 wiper cycles the treated surface has a contact angle greater than about 60°.
32. In claim 1 or 2, wherein after more than about 20,000 wiper cycles the treated surface has a contact angle greater than about 60°.